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MATERIAL SAFETY DATA SHEET

I.	PRODUCT IDENTIFICATION		·	
	Product Name ADNESAWE 404	Part	No. 465	
	Product Type <u>Cyanoacrylate</u>		la No. N/A	
117.	COMPOSITION	•		
	Ingredients	% by Wt.	Hazard	
·	Methyl Cyanoacrylate Poly (methyl methacrylate)* Hydroquinone	>95 ~3 <0.25	See Section IV.	
	when implanted beneath the skin.	In light of the chnical judgment	cause tumors in experimental animelow concentration of this componed that normal use of this product product to comply with OSHA regulations.	
III.	CHEMICAL AND PHYSICAL PROPERTIES			
	Vapor Pressure < 0.2 mm Vapor Density ~3 Solubility in Water Polymerizes Appearance Clear liquid	Boilir	ic Gravity 1.1 g Point > 300 ⁰ F dna Pungent	
IV.	TOXICITY AND HEALTH HAZARD DATA	•		
	Toxicity Bonds skin rapidly & strongly. Skin & eye irritant. Est. Oral LD 50 >5000 mg/kg Est. Dermal LD 50 >2000 mg/kg Symptoms of Overexposure Vapor is irritating to eyes and mucous membranes above The			
	Emergency Treatment Procedures Ingestion: See instruction on back side for emergency procedures. Inhalation: Remove to fresh air. Treat symptomatically. Skin Contact: See instructions on back side for emergency procedures. Eye Contact: See instructions on back side for emergency procedures.			
	Personal Protection Eyes: Safety glasses or goggles Skin: Polyethylene gloves recomm Ventilation: Provide adequate lo	ended. Do not i	use cotton gloves. to maintain vapor concentration	
٧.	below TLV. FLAMMABILITY AND EXPLOSIVE PROPER	TIES		
	Flash point > 200°F	Method	T.C.C.	
	Explosive Limits (% by volume in air) Lower <u>dna</u> % Upper <u>dna</u> % Recommended Extinguishing Agents <u>CO2</u> , Foam, Dry Chemical Hazardous Products Formed by Fire or Thermal Decomposition: <u>Irritating organic</u>			
	fragments. Unusual Fire or Explosion Hazards: None			
	Compressed Gasses Name None	om Temperature	USEPA SF	
			1265541	

VI: REACTIVITY DATA

	Hazardous Polymerization [] May Occur [X] Will Not Occur Hazardous Decomposition Products (non-thermal) None
	Incompatibility Polymerized by contact with water, alcohols, amines, alkalies.
VII.	SPILL OR LEAK AND DISPOSAL PROCEDURES
	Steps to be taken in case of spill or leak: Flood with water to polymerize. Soak up with an inert absorbent.
	Recommended methods of disposal: Polymerize as above. Landfill or incinerate in accordance with EPA and local regulations.
VIII.	STORAGE AND HANDLING PROCEDURES
	Storage: Store at or below 75°F to preserve shelf life. Handling: Avoid contact with skin and eyes. Avoid breathing vapor.
IX.	SHIPPING REGULATIONS
	Type or Class DOT Not regulated (≤ 1 pint); ORM-A (> 1 pint) IATA Not regulated; [ORM-A (> 1 pint) in U.S. only]
<u> </u>	Proper Shipping Name DOT Not regulated (\$\frac{1}{2} \text{ pint}); \text{ QRM-A, n.o.s. (\$\frac{1}{2} \text{ pint})} \text{ Not regulated; [QRM-A, n.o.s. (\$\frac{1}{2} \text{ pint}) \text{ in U.S. only]}
Prepai Title:	red By: Martin Hauser Vice President - Invironmental Health and Safety
Date:	November 1, 1985

Information for First Aid and Casualty on Treatment for Adhesion of Human Skin to Itself if caused by Cyanoacrylate Adhesives

Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds human tissue including skin in seconds. Experience has shown that accidents due to cyanoacrylates are handled best by passive, non-surgical first aid. Treatment of specific types of accidents are given below.

SKIN ADHESION

First immerse the bonded surfaces in warm soapy water.

Peel or roll the surfaces apart with the aid of a blunt edge, e.g. a spatula or a teaspoon handle; then remove adhesive from the skin with soap and water.

Do not try and pull surfaces apart with a direct opposing action.

EYELID TO EYELID OR EYEBALL ADHESION

In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in 1-4 days. There will be no residual damage. Do not try to open the eyes by manipulation.

ADHESIVE ON THE EYEBALL

Cyanoacrylate introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of weeping until clearance is achieved. During the period of contamination double

vision may be experienced together with a lachrymatory effect, and it is important to understand the cause and realize that disassociation will normally occur within a matter of hours, even with gross contamination.

MOUTH

If lips are accidentally stuck together apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do *not* try and pull the lips with direct opposing action.

It is almost impossible to swallow cyanoacrylate. The adhesive solidities and adheres in the mouth. Saliva will lift the adhesive in ½ to 2 days. In case a lump forms in the mouth, position the patient to prevent ingestion of the lump when it detaches.

BURNS

Cyanoacrylates give off heat on solidification. In rare cases a large drop will increase in temperature enough to cause a burn. Burns should, be treated normally after the lump of cyanoacrylate is released from the tissue as described above.

SURGER

It should never be necessary to use such a drastic method to separate accidentally bonded skin.